An Inaugural Difertation Cynanche Maligna Submitted. to the examination of the Provost. V. Provost the Trustees and Medical faculty of the University of Pennsylvania on the first day of April 1810. For the degree of Doctor of Medicine. By John H. Lambert. of New Jersey.

It complete account of the private in which the Expranche Maligna has appeared, is a diside ratum in the limite of medicine. The difficulty of collecting facts newports to the history of any opportunities is very considerable! I gust proportion of historical written have paped one with neighbor of met with total silmon, the occurrence of problembal disorders, and med silmon, the occurrence of problembal disorders, and med silmon in general have with more attention delimate authors in general have with more attention delimates the symptoms & more of treatment, than the sign period and within y a disease.

The Equanche Maligne is by some considered at a disorder of neutrologie." Allowing in a treatine "del millianum origine" consider that the disease was unknown before the gear 1880, at which time it was provability in Spain. Buscalus however of make rarline date as on record, where typicalus are in a many expects very analogous to there by the disease in question.

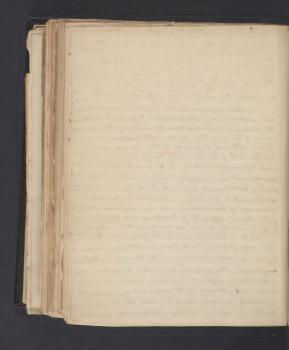
Autres of Caff advice, who flourthed about the end of the Mind century, had described a bery malignant din temper of the Othern under the same of their Syracay

Actail of Cappardona who thinks you are

Cains Police a physician of the 3th entiry that denichis a director of the throad, which was omalled by "Houghty and pertilected allers of the forces projectly occurred to inflammation. They took place most in shifteen and to inflammation they took place most in shifteen and the project at the age of perheaty, but more about them affect to actually, in presently there of a half of body, in.
The healthest all constitutions of the Spring reason.

His uncertain within any other accounts with has described any describe what to dynamich metype. 37 Jethingde, who has trace the betory of the dense dense to his own time begins with it affermance in Spain 9, 2, 1618. Buriously to this, hereby, sweed malignant diction has y the throat had been much, wend by various writers, In the year 1515 8 1917 a most malignant and writing case august 1515 8 1917 a most malignant and writing case august 1515 8 1917 a most malignant and writery and the begins in how haven, the himseful dynaftoms, as described by Tyringina the himseful dynaftoms, as described by Tyringina plusivian of Downterdam, were have fully fungion of the threat, difficulty of beathering and affections of the heart. It for hearth was malignant son throat

were may fatal in Paris, having evited semial your before in love Garmany in the form of hardelina anginese. The december of the works, difficult dighting, ordereations of the works, difficult dighting, ordereations of the face of the tright and an impleasable with cropp and an impleasable which with another or the house were costene, in others a diarrha of fater matter occurred;



A more accurate account of the disease is given by Francefor Ash in a treatise published at Sufficien 1829, Recording to been I word present by a mumber of different opidemies. In the special type mumber of different opidemies, In the special After a surprising seator a contageous distingues offseth the action, in the superior of the without point of the action of the surprise of the action of the contageous distinguished the surprise distinguished among the inhabitant. He for them confirmed indicates had authority, the sen threat hope to affect without and in the autenment of the top to sure of a weak and the sure of the sure o

In 1820 a treater was therein Judhaha by J. a Igambather a physician of Refer & proteint formation of the distribute of the second of the distribute on the Alabas Hangalatine by Eine Clether furblished at Home 1836. It heaten as "angine Madigne by Petrus Michael at President of My Transmitting of their and there I Tothingth had ableded a general duriftion of the diorder in the collection of the diorder in the collection of the diorder in the collection.

Jones the above privated, the elevated for throat has been an epidemic of frequent everyones, In the year 1664, according to theometris, a malignant purple from attended with inflammation of the throat and factionlarly fatal to children, was formal until barious franks of Perspier.

In 1700 a buy Jalat denous aspid in the island of allets in the Swant. It emeits go see at the bottom of the therat, attends with a most tribulation of the flegue of infants, all townsfort who had denoted it in her Egyage the denoted a semants that it was a common denoted in the Swant of the Swant are about in the Swant was a common denoted in

In 1935 the langua ulusualeth to termin by 25 Joseph of Botton and find known in luncion. He find appearance was let being the in the mount of the first lamb the first lamb the streeth in the mount of May. He this was an intense town it was an intense than the streeth was been the proving importation. He motality was present them bed any disease which had been known deen the them that performed of the country. From largeth the august following. If the country, From largeth the august following. If the birelin machin booten, and in leftender I was observed in Boston, and clarifyeard in that black in 1736.

The affections of the decoder in Sur Spok worder of mobiles untill two years often its arminiment at things time, I describe in got here was given by Badwallade Bottler By the grave by Bright and likewin by St again of Long below. The decades four affection in those places to which the property of Sow ley land a worth to trade, It continued for some years in the himsely of the Abraham on the himself was the process of was a families without processes observable same, A great discussify was observed in

in four it alter my liter & Follow & Follow &

in som, in others very biolant. I soldens little may be - found in the American Mureum, I got.

in 1740 a malignant augus official at Paris, It word described by the Malonin, according to their under more who have the decrete except with life and it some times forward from themself your March according to the some seemen of the force.

In the years 1747 8 1748 the putried see thoust allended with aleed frames as in Location, 8 at their time of total give frames of the sealing. It had easily for the years buy amp to for the years buy amp to seasons from the global seasons of it was fines by John Johnson by Johnson by Johnson by Johnson by Johnson of the way amp to seasons of it was fines by Johnson buy amp to seasons of the way to the for the fines of the things of the seasons of the seasons of the climate. It was the seasons of the climate, the wind of the seasons of the climate, the autumn of the seasons of the sea

In 1793 the deraw was altended with consider while involatity in the Rominean whomis In one town in Lang bland only 2 children under 12 years survived.

In 1778 the angine Maligna was felt in Jamaica (in an account by Mrs Might M. 3. amican Musum 1. 32.) In 1771 a son throat and Small four prevailed at Repenhagen,



In 1777 the hants five and her throat puralled on barious facility for the time was fully extension, offer idly among children, delicent offer commenced within a few lains after the first higher, the fleshous intends hot, the Seatest when affer on the first or beared day and they did any early on the thirt or beared day and they did any early on the third.

In 1788 a sen Mont and Saaled Jewer again of pread in the traited States, according to the accounts of pread by I the accounts of the second of the above friend the disturber had frequently secured the above fracts of the disturber had frequently secured without facts of the formal medial ity which for me to alter the it appearance. Accounts of it have been of person by It Barel of the without for me to alter the it appearance. Accounts of it have been of securities of the have been of the Appearance. Philosophical beauty 1789, By I Aspinately of Maria been 1789, By I Aspinately of Philosophical beauty 1789, By I Aspinately of Barel of the Moderate Mariana Mariana of formation in the Moderate Mariana 1892.

Lell 1880, In England the disease has glate been occasion ally writing or described by Mylor Kindly.

Blackburn, Reid, Mang and Birms.

From the foregoing history of the disorder and from the writings of the lettered above meditioned it appears, It That the disorder



is not apparently controlled by any puntianity of elimate on season.

2. The prevalence of barbatica has generally here consometain with that of Egenauche Maligna. A great majority of this writers above mentioned have either records the fact, or related circumstances which factly the conclusion. Jone of these will be hungly the conclusion. Jone of these will be hungled up and to in freshing of the diagnosts of the diagnosts.

3. A quant boinety had occurred in the dayment found of the decorder in different periods and in different outlividuals at the same period.

I shall nest say a few words concerning the Symp toms of Gynanche Maligna. In its first attack it often differs not spentially from Simple fever The patient is affected with lafstuck, anxiety, bertigo and pain, he has fet of eats showing attending with part together with thirt, entlying and other febrile bysuptions. The desorder of the heart and boscular system Hu lungs & Stomach, is indicated by a Juguency of Mules hurries unfination, nauria and disquit for food Early in the disease and dometiones as a primary Lympton the patient feels a sense of steffings and umarines we the nech accompanied with printal dighitation. On exam sining the James a degree of udorfs and inflammation is discovered on the tomils well and believe palate: Them soon after as hile't the appearance of attach Spechs between a brown and cincitious whom. As the deren progrepus



the patient complains of biolast frame in the bread back and live the eyes are bready and water the constituence within full and blooks, or frak, such and digitally an increment the patient of opportunities and deletify regard theory that significant the falls is small translations loaded with which haid muses at other with a black increastation with which haid muses at other with a black increastation with a black increastation of the facus of the text and life. In his dischession of the facus of fraid unfailly uniting with each other title the great part of the facus of and of the facus is at highly could with this.

The despersual part having a special and he has and consider him heger man to long of the description and what and them also the intest for and its consistency humans. The intest was and incommendation the intest can describe a form of first and ideas from a form of first and ideas from a form of first and ideas from a thing of first matter, at first thin but of the most of a form of first matter, at first thin but of the most of the most the west of form in formating the breath with it of forming of first and life, have been as to foresteed with it of forming of first and the work of the second of the almost with with and when his places, he most the almost and fitted to the form of the most to the almost and getting the and the part of the carried with the land of the second of the first the second of the carried with the car

In proposition abtendant on Expande Malijana suffer with considerable maring. Marks of Empethy are the considerable majories on the considerable majories on the considerable in the first part of the distriction of the considerable in the first part of the distriction. And an observed to wear of a st invesses. The eyes at a more achieved to wear of a trivial of



languid in flammation and in the worst cases are suffered with blood , Delivium or come of the mental faculties experience in the count of the dinese of combines their two effections attended with each other.

About the second or third day of the dirorder an efflow server or each appears on the Phin, His commonly in wreger In patches of a pair wel colour, timilar to the suftion in Carlitina. except that it is fainter and less universal, It is first visible on the face, neck and breast, in Small points which become continuous and Spread to the when muties. Im Hains or discolorations at first afficar on a level with the sent of the Shin, but on minute exameration then prominence is discoverable by the light or come of Juling . Sometimes devaled purtules oppose distinguishable from the parts account them by their interes reduces. In the progress of the disorder the suftion changes its redness, for a dark and livid hue, which had bun compand to the colour of a dead body two or three days after Death, or to a diffusion of alward and water bisible this. the transf went enticle, The author on the extremitees is not wife equently attended gwith Stiffness and from of the Joints have ticularly those of the fingers, In med cades a remission of bypurptoms often takes place on the appearance and Itell more frequently on the lecurination of the emption. but in the wort cases or attention ensues from it.

The describing the supplier is uncertain like that of the describe for its opposed in succession, it is selection by them one or more than four days in continuous, formation of and afterwards northwest, a symptom which is generally unfavourable.



The emphise terminates by a expansition of the cutacle and the prognose of the denam is more or lip parameter as the prognose of the designation is more or lip copious for in other emphise ferms. The approximation is approximate Malignation from the sound of the most designation of the cutacle for the pass as preserved. I sudden themselves of the cutacle for a higher ad when to one livid and pale is qually alaming.

As the deman advances the hale become still more defreefed, I wing the wining wave balon the breat shing is ralling and Stutorous, The Skin is unally parties and hot as in malignant typhus and Sometimes petichie intersperced with the suffer. The alcoration of the facus continue to extend, becoming more black and fated untile portions of mostfield flack slough off and are exected from the mouth, The tendency of the System to ganguage is as great, that in many cases where 3. S. was employed the place of incision breade by the lancet often Sphacelates. In head is commonly extracted, the neck full and lived the longue sollender must the Slightest touch produces exerciation. The absorption of acris matter from the fauces fuguent by produces inflammation extending along the untachian tule to the ear, at other times it Spreads to the parotis, martillary and other glands meanth faires. The tracker and Browshia the Homach and brain are occasionally attached with inflamm ation, In the last and incurable stages of the dire ider, the fasces are black, the subtion of a dark



purple hue, the extremities are ests & crossed with a claiming sweat, the eye appear globy & lifely for faces of the most fated kind as payed involuntarily to hiceups often attends, and the superation is difficult stronous and intercepted. A general the party offenses the server, the furth intermits and at length caunst be fell, and the informationally expense on clien in conventionals.

The forgoing shelch of the most would significan applies only to a negacity of rates. Many anomalies occur both in the periods and nature of the Symptoms some of them Juguetly do not appear; and figurely others of a more wounter nature dependence.

The Egnanche Maligna is whereby barious in the time of its appearance, and the malignates of its type. Their its british will thus.

The incumstances which tend to incurare the birchene of the director are warm and moint weather, a sichly habet of body, putris explusion, harticilarly such as aring from close and woods come, want of clean lines and attention, and such causes as time to initate either body or mind.



From all that has been said it will evidently appear. That I carlotine and Cynanche Maligue are but bailed in Same director. The reasons which indeed this conclusion as at follows! I had the have diseases have been concomitant in most instances both in the time and place of their appearance.

I That they appeared by over from the dame former of contegion, I That in Some coded the two discourses seen into each other so that a line of discourseasion between them becomes impracticate, wen if it were necessary.

From many circumstances it seems highly probable, that sewet I give and malignant son throat, are both names of the same distemper and this opinion is confirmed by finding them both affecting a family or a number of children at the same time.

Some the serior of the decard we made ration ally correlated that they proved from the same some of a contagion, insee it is improbable. that their hordering of death time into a family about he followed by glandation into a family about the followed by their ways to be some the Malagne Vaireberry until their ways for more ween capable of propagating and other



Iweral costs within my notice have confirmed

this opinion.

I In May 1804 two children in the dame Jamely were taken with the throat disternper, The ulceration faces were Stongly and falid, and the nuplow which ensued faint and lived. In two days from the beigue of the children, the father a man of ordinary health aged 31, was attached with all the inspections of Searlet fever. The throat was searchy affected, the cità never emption was bived, interne and universal; and the face ran beny high. The Mother who was twhen one down afterwards had the publis some throat without the least appearance of any muftion on The Thin, and a Sewant Main who excaped during the first week, had finally both the efforeseeme and Low throat. In the four the children who could not be presuaded to take medicines both dies, one on the third the other on the fifth day of the disease, The adults all surrived . In the above in lances wery bandy of the disease appealed, and The infection was undoubtedly communicated by one inclinedual to another, as no other family at that time had the directer, within the distance of two miles.

Il a girl of about 17 years of age was taken dearlet



force, It spring man of a debiliteted habit in the dame family was sired with a son throat of says afterward. Both patients received the dame treatment and both recovered in about a mouth, On the shole it is glittle consequence to what rank we upon it, in the treatment and onether of cour, it due attentions to the state of the further and symptoms will some to indeals the best

and most rational method of treatment.

Freatment: O

The treatment of expensive Ma Course in the the opened and local, or associating to the Symphone and state of the bestern. She method of treatment family in are, was generally to alternet war of the disease by the un of softime warmanations, But affirmen and the method of the above the method of the thought in the University, head led Shopicians to a more effectived and fudicion practice.

The un of aucties expecially at the beganine of the dimen is attended with Jacomable offul They were employed by For Withhing



and Moldan with much advantage in arresting in amelionating jets Symptoms, The latter of these gentleman showers, that "a hold & personing course of armelies may be considered as the most appellate mellioned of obviously the Lingular malignaly of this direct."

The under most anally employed an estential to the fur judices, bubit a constitutions of the factions, such a constitution of the factions, with amount greatly combined with coloniel. In last is the one most generally employed in Philadelylese. She trubeth mineral by story that been one greatly with succept. In cases when the coloniel foreign with succept, In cases when it fails of forming granting of friend, And when it fails of forming the lowers, benieved franges man to carrieless to the them is offen cornelisms a disposition to cooking

Agentle perfection may be Rept up, by whiteling done of antemorials and dilund directs as wine when be - and which always give relig.

The throat should be Rept clean by gargles. A mixture of host wine und finder



powdered back, infurious of row leaves, sage or a mighten of brong & bringer, are unful in mild cases. In cases of great difficulty of breathing or Swallowing, the thans of warm water misted with a little bringer, inhalls through a furnel into the though

Me external local remides are blood setting and blistering, of the above remides have failed which may be applied behind the car or to the nech, and with good effect,

In the more advanced state of the

dinan where there is a tendency to protection or gangeur, thinwhatte, terries, and a generous diet must be until to.

Mercury has been secommended in this disease as early as 1736, and much extends in effecting a come, I. Bard of New York in 1789 Short way highly of it we. It for my own fract, I can bear say but little on the subject, having seen but few cases of this disease. A Physician in the few cases of the action of the original plane and only gave caterned but anaistic the oriented of the throat with mercural ointiment.

their is the throat with marriers to

When there are informating dynaftered the disease spiles like other expidenced to blood-letting, and other depliling remedies. Is conclude, thus distant shad is according to the matter than the figure of institutes in the seminant, I'm perform and hypotheres are the Prejuins guide, I have not any sincer thanks to them authors mentioned in the history, and to the letters of the shade of and instituted for their remarks,

John Hambert

